

SEQUENCE LISTING

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HASEGAWA, Mamoru

<120> Method For Producing Viral Vectors

<130> 50026/061001

<150> PCT/JP2005/000708
<151> 2005-01-20

<150> JP 2004-014654
<151> 2004-01-22

<160> 54

<170> PatentIn version 3.3

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<212> PRT
<213> Artificial

<220>
<223> an example of protease cleavage sequence

<400> 1

Pro Leu Gly Met Thr Ser
1 5

<210> 2
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Pro Gln Gly Met Thr Ser
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<210> 3
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<220>
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<400> 3

Pro Leu Gly Leu Trp Ala Arg
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<210> 4

<211> 8

<212> PRT

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<220>

<223> an example of protease cleavage sequence

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Gly Pro Leu Gly Met Arg Gly Leu
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<211> 11

<212> PRT

<213> Artificial

<220>

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<400> 6

Arg Pro Lys Pro Val Glu Trp Arg Glu Ala Lys
1 5 10

<210> 7

<211> 7

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<213> Artificial

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<223> PLALWAR

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Pro Leu Ala Leu Trp Ala Arg
1 5

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<212> PRT
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<220>
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<400> 8

Pro Leu Gly Met Trp Ser
1 5

<210> 9
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Pro Leu Gly Leu Gly
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<212> PRT
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<220>
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Val Phe Ser Ile Pro Leu
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Ile Lys Tyr His Ser
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Val Pro Met Ser Met Arg Gly Gly
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Arg Pro Phe Ser Met Ile Met Gly
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Val Pro Leu Ser Leu Thr Met Gly
1 5

<210> 15
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<220>
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<400> 15

Ile Pro Glu Ser Leu Arg Ala Gly

1 5

<210> 16
<211> 7
<212> PRT
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<220>
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<400> 16

Pro Leu Ala Tyr Trp Ala Arg
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<210> 17
<211> 367
<212> DNA
<213> Cytomegalovirus

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actagttatt aatagtaatc aattacgggg tcattagttc atagcccata tatggagttc 60
cgcgttacat aacttacggt aaatggcccg cctggctgac cgcccaacga ccccgccca 120
ttgacgtcaa taatgacgta tggtcccata gtaacgcaa tagggacttt ccattgacgt 180
caatgggtgg agtattttacg gtaaactgcc cacttggcag tacatcaagt gtatcatatg 240
ccaagtacgc cccctattga cgtcaatgac ggtaaattggc ccgcctggca ttatgccag 300
tacatgacct tatgggactt tcttacttgg cagtacatct acgtattagt catcgctatt 360
accatgg 367

<210> 18
<211> 1248
<212> DNA
<213> Gallus gallus

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ttttgtattt atttatTTTT taattatTTT gtgcagcgat gggggcgggg gggggggggg 120
ggcgcgcgcc aggcggggcg gggcgggcg aggggcgggg cggggcgagg cggagaggtg 180
cggcggcagc caatcagagc ggcgcgctcc gaaagtTTTc ttttatggcg aggcggcggc 240
ggcgggcgcc ctataaaaag cgaagcgcg gcggggcggg gagtcgctgc gacgctgcct 300
tcgccccgtg ccccgctccg ccgcgcctc gcgcgcgccg ccccggtct gactgaccgc 360
gttactccca caggtgagcg ggcgggacgg cccttctcct ccgggctgta attagcgctt 420

| | |
|--|------|
| ggtttaaatga cggtctgttt cttttctgtg gctgcgtgaa agccttgagg ggctccggga | 480 |
| gggccctttg tgcgggggga gcggctcggg ggggtgcgtgc gtgtgtgtgt gcgtggggag | 540 |
| cgccgcgtgc ggctccgcgc tgcccggcgg ctgtgagcgc tgcgggcgcg gcgcggggct | 600 |
| ttgtgcgtc cgcagtgtgc gcgaggggag cgcggccggg ggcggtgcc cgcggtgcgg | 660 |
| ggggggctgc gaggggaaca aaggctgcgt gcgggggtgtg tgcgtggggg ggtgagcagg | 720 |
| gggtgtgggc gcgtcggctg ggctgcaacc cccctgcac cccctcccc gagttgctga | 780 |
| gcacggcccc gcttcgggtg cggggctccg tacggggcgt ggcgcggggc tcgcgtgcc | 840 |
| gggcgggggg tggcggcagg tgggggtgcc gggcggggcg gggccgcctc gggccgggga | 900 |
| gggctcgggg gaggggcgcg gcggcccccg gagcgcgggc ggctgtcgag gcgcggcgag | 960 |
| ccgcagccat tgccttttat ggtaatcgtg cgagagggcg cagggaactc ctttgtcca | 1020 |
| aatctgtgcg gagccgaaat ctgggaggcg ccgccgcacc ccctctagcg ggcgcggggc | 1080 |
| gaagcgggtgc ggcgcgggca ggaaggaaat gggcggggag ggccttcgtg cgtcgccgcg | 1140 |
| ccgcgtccc cttctccctc tccagcctcg gggctgtccg cggggggacg gctgccttcg | 1200 |
| ggggggacgg ggcagggcgg ggttcggctt ctggcgtgtg accggcgg | 1248 |

<210> 19
 <211> 95
 <212> DNA
 <213> *Oryctolagus cuniculus*

| | |
|---|----|
| <400> 19 | |
| cctctgctaa ccatgttcat gccttcttct ttttctaca gtcctgggc aacgtgctgg | 60 |
| ttattgtgct gtctcatcat tttggcaaag aattc | 95 |

<210> 20
 <211> 1744
 <212> DNA
 <213> Artificial

<220>
 <223> an example of CA promoter

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| <400> 20 | |
| actagttatt aatagtaatc aattacgggg tcattagttc atagcccata tatggagttc | 60 |
| cgcgttacat aacttacggt aaatggccc cctggctgac cgcccaacga ccccgccca | 120 |
| ttgacgtcaa taatgacgta tgttcccata gtaacgcaa tagggacttt ccattgacgt | 180 |
| caatgggtgg agtatttacg gtaaactgcc cacttggcag tacatcaagt gtatcatatg | 240 |

| | |
|---|------|
| ccaagtacgc cccctattga cgtcaatgac ggtaaattggc ccgcctggca ttatgcccag | 300 |
| tacatgacct tatgggactt tcctacttgg cagtacatct acgtattagt catcgctatt | 360 |
| accatggtcg aggtgagccc caggttctgc ttcaactctcc ccatctcccc cccctcccca | 420 |
| cccccaattt tgtattttatt tatttttttaa ttattttgtg cagcgatggg ggcggggggg | 480 |
| ggggggggggc ggcgcgccagg cggggcgggg cggggcgagg ggcggggcgg ggcgaggcgg | 540 |
| agaggtgcgg cggcagccaa tcagagcggc gcgctccgaa agtttccttt tatggcgagg | 600 |
| cggcggcggc ggcggcccta taaaaagcga agcgcgcggc ggcgggggag tcgctgcgac | 660 |
| gctgccttcg ccccgctgcc cgctccggcg ccgcctcgcg ccgcccggcc cggtctgac | 720 |
| tgaccgcgtt actcccacag gtgagcgggc gggacggccc ttctcctccg ggctgtaatt | 780 |
| agcgcttggt ttaatgacgg cttgtttctt ttctgtggct gcgtgaaagc cttgaggggc | 840 |
| tccgggaggg ccctttgtgc ggggggagcg gctcgggggg tgctgcgtg tgtgtgtgcg | 900 |
| tggggagcgc cgcgtgcggc tccgcgtgc ccggcggtg tgagcgtgc ggcgcggcg | 960 |
| cggggctttg tgcgctccgc agtgtgcgc aggggagcgc ggcggggggc ggtgccccgc | 1020 |
| ggtgcggggg gggctgcgag gggaacaaag gctgcgtgc ggggtgtgtg gtgggggggt | 1080 |
| gagcaggggg tgtgggcgcg tcggtcgggc tgcaaccccc cctgcacccc cctccccgag | 1140 |
| ttgctgagca cggccccgct tcgggtgcgg ggctccgtac ggggcgtggc gcggggctcg | 1200 |
| ccgtgccggg cgggggggtg cggcaggtg ggggtgccgg cggggcgggg ccgcctcggg | 1260 |
| ccggggaggg ctcgggggag ggcgcggcg gccccggag ccggggcggc tgtcgaggcg | 1320 |
| cggcgagccg cagccattgc cttttatggt aatcgtgcga gagggcgag ggacttcctt | 1380 |
| tgtcccaaat ctgtgcggag ccgaaatctg ggaggcgccg ccgcaccccc tctagcgggc | 1440 |
| gcggggcgaa gcggtgcggc gccggcagga aggaaatgg cggggagggc cttcgtgcgt | 1500 |
| cgcgcgcgcg ccgtccccct ctccctctcc agcctcgggg ctgtccgcgg ggggacggct | 1560 |
| gccttcgggg gggacggggc agggcggggt tcggcttctg gcgtgtgacc ggcggctcta | 1620 |
| gagcctctgc taaccatggt catgccttct tctttttcct acagctcctg ggcaacgtgc | 1680 |
| tggttattgt gctgtctcat cattttggca aagaattcgg cttgatcgaa gcttgccac | 1740 |
| catg | 1744 |

<210> 21
 <211> 34
 <212> DNA

<213> Bacteriophage P1

<400> 21
ataacttcgt ataatgtatg ctatacgaag ttat 34

<210> 22
<211> 34
<212> DNA
<213> Saccharomyces cerevisiae

<400> 22
gaagttccta ttctctagaa agtataggaa cttc 34

<210> 23
<211> 10
<212> RNA
<213> Artificial

<220>
<223> an example of Sendai virus S sequence (w=a or c; v=a or c or g)

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ucccwvuwc 10

<210> 24
<211> 10
<212> RNA
<213> Artificial

<220>
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ucccaguuuc 10

<210> 25
<211> 10
<212> RNA
<213> Artificial

<220>
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<400> 25
ucccacuuac 10

<210> 26
<211> 10
<212> RNA
<213> Artificial

<220>

<223> an example of Sendai virus S sequence

<400> 26
ucccacuuuc 10

<210> 27
<211> 10
<212> DNA
<213> Artificial

<220>
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<400> 27
agggtcaaag 10

<210> 28
<211> 10
<212> DNA
<213> Artificial

<220>
<223> an example of Sendai virus S sequence

<400> 28
agggtgaatg 10

<210> 29
<211> 10
<212> DNA
<213> Artificial

<220>
<223> an example of Sendai virus S sequence

<400> 29
agggtgaaag 10

<210> 30
<211> 9
<212> RNA
<213> Artificial

<220>
<223> an example of Sendai virus E sequence

<400> 30
auucuuuuu 9

<210> 31
<211> 9
<212> DNA

<213> Artificial

 <220>
 <223> an example of Sendai virus E sequence

 <400> 31
 taagaaaaa 9

<210> 32
 <211> 29
 <212> DNA
 <213> Artificial

 <220>
 <223> an artificially synthesized sequence

 <400> 32
 cattttggca aagaattgat taattcgag 29

<210> 33
 <211> 47
 <212> DNA
 <213> Artificial

 <220>
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 <400> 33
 tcacagcacc caagaatctc ttctggcgag caccggcatt ttgtgtc 47

<210> 34
 <211> 47
 <212> DNA
 <213> Artificial

 <220>
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 <400> 34
 gacacaaaat gccggtgctc gccagaagag attcttgggt gctgtga 47

<210> 35
 <211> 42
 <212> DNA
 <213> Artificial

 <220>
 <223> an artificially synthesized sequence

 <400> 35
 gatcgtaatc acagtctctc gagagttgta ccatctacct ac 42

<210> 36
 <211> 52
 <212> DNA
 <213> Artificial

 <220>
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 <400> 36
 tcacagcacc gaagaatctc ctccggcgac gaccggcatt ttgtgtcgta tc 52

 <210> 37
 <211> 52
 <212> DNA
 <213> Artificial

 <220>
 <223> an artificially synthesized sequence

 <400> 37
 gatacgacac aaaatgccgg tcgtcgccgg aggagattct tcggtgctgt ga 52

 <210> 38
 <211> 23
 <212> DNA
 <213> Artificial

 <220>
 <223> an artificially synthesized sequence

 <400> 38
 aaatcctgga gtgtctttag agc 23

 <210> 39
 <211> 54
 <212> DNA
 <213> Artificial

 <220>
 <223> an artificially synthesized sequence

 <400> 39
 tctcgagtcg ctcggtacga tggccaagtt gaccagtgcc gttccggtgc tcac 54

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 <212> DNA
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 <400> 40

aatgcatgat cagtaaatta caatgaacat cgaaccccag agtcccgctc agtcctgctc 60
ctcggccacg aagtgcacgc agttg 85

<210> 41
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<212> DNA
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ccggaattca acaaatggcc gggttgttga gcaccttcga 40

<210> 42
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<212> DNA
<213> Artificial

<220>
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<400> 42
ccggaattcc tagattcctc ctatcccagc tactgctgct cg 42

<210> 43
<211> 50
<212> DNA
<213> Artificial

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ctagctagcc caccatggat caagatgcct tcattctaaa agaagattct 50

<210> 44
<211> 50
<212> DNA
<213> Artificial

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<400> 44
ctagctagcc tagttggtca gtgactctat gtcctcttct acgagttcca 50

<210> 45
<211> 39
<212> DNA
<213> Artificial

<220>
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 <400> 45
 ggccgcgctgc acatcgatgc tagcctcgag ccgcggtac 39

 <210> 46
 <211> 31
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 <400> 46
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 <210> 47
 <211> 22
 <212> DNA
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 <400> 47
 cttaactatg cggcatcaga gc 22

 <210> 48
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 <212> DNA
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 <400> 48
 gccgattcat taatgcagct gg 22

 <210> 49
 <211> 37
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 <400> 49
 ctataggaaa ggaattccta tagtcaccaa acaagag 37

 <210> 50

<211> 38
<212> DNA
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<400> 50
gatgagtcgcg tgaggacgaa actataggaa aggaattc

38

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<220>
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<400> 51
gcggggccctc tcttggttgg tctgatgagt ccgtgaggac

40

<210> 52
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<220>
<223> an artificially synthesized sequence

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Phe Phe Gly Ala Val Ile Gly Thr Cys
1 5

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<212> PRT
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<220>
<223> an artificially synthesized sequence

<400> 53

Glu Ala Arg Glu Ala Lys Arg Asp Ile Ala Leu Ile Lys
1 5 10

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<211> 13
<212> PRT
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<220>

<223> an artificially synthesized sequence

<400> 54

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